

ANTICORROSIVE MEMBER

Patent number: JP9295863
Publication date: 1997-11-18
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Classification:
- International: C04B35/443; C01B13/14; C04B35/00; C04B35/14;
C04B35/195; H01L21/205; H01L21/31
- european:
Application number: JP19960136553 19960530
Priority number(s):

Abstract of JP9295863

PROBLEM TO BE SOLVED: To obtain an anticorrosive member having more excellent corrosion resistance than those of SiO₂, Al₂O₃, AlN, etc., and capable of giving dense products.

SOLUTION: This anticorrosive member comprises a metal oxide in which a site exposed to a halogen-based corrosive gas or its plasma contains ≥ 3 vol.% of a composite oxide phase containing at least a kind of element selected from the group comprising at least the group IIa elements in the periodic table, the group IIIb elements, Si, Pb, Fe, Cr and Ti. The composite oxide comprises a dense material consisting mainly of an AB₂O₄ (A is the group IIa element in the periodic table; B is the group IIIb element) type crystal or cordierite crystal and having a relative density of $\geq 98\%$.

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